

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|-----------------------|--------------------------------|------------------|---------|------------------|
| L1 | 2 | ("6867200").PN. | US-PGPUB; USPAT; DERWENT | OR | ON | 2008/01/23 15:41 |
| L2 | 527 | 548/304.4.ccls. | US-PGPUB; USPAT; DERWENT | OR | ON | 2008/01/23 15:50 |
| L3 | 397 | 548/304.7.ccls. | US-PGPUB; USPAT; DERWENT | OR | ON | 2008/01/23 15:50 |
| L4 | 451 | 548/309.7.ccls. | US-PGPUB; USPAT; DERWENT | OR | ON | 2008/01/23 15:50 |
| L5 | 201 | 548/310.7.ccls. | US-PGPUB; USPAT; DERWENT | OR | ON | 2008/01/23 15:50 |
| L6 | 1401 | 514/394.ccls. | US-PGPUB; USPAT; DERWENT | OR | ON | 2008/01/23 15:51 |
| L7 | 46 | I2 and I5 | US-PGPUB; USPAT; DERWENT | OR | ON | 2008/01/23 15:51 |
| L8 | 12 | I7 and I3 | US-PGPUB; USPAT; DERWENT | OR | ON | 2008/01/23 15:51 |
| L9 | 7 | I7 and I4 | US-PGPUB; USPAT; DERWENT | OR | ON | 2008/01/23 15:51 |
| L10 | 15 | I7 and I6 | US-PGPUB; USPAT; DERWENT | OR | ON | 2008/01/23 15:52 |
| S1 | 1 | WO-2005121102-\$.did. | US-PGPUB; USPAT; DERWENT | OR | ON | 2007/08/14 08:13 |
| S2 | 1 | WO-2005118554-\$.did. | US-PGPUB; USPAT; DERWENT | OR | ON | 2007/08/14 07:56 |
| S3 | 2 | "6867200".pn. | US-PGPUB; USPAT; DERWENT | OR | ON | 2007/08/14 07:56 |
| S4 | 0 | WO-2000035886-\$.did. | US-PGPUB; USPAT; DERWENT | OR | ON | 2007/08/14 08:14 |
| S5 | 1 | WO-200035886-\$.did. | US-PGPUB; USPAT; DERWENT | OR | ON | 2007/08/14 08:58 |

EAST Search History

| | | | | | | |
|-----|------|-----------------|--------------------------------|----|----|------------------|
| S6 | 4 | "537115".ap. | US-PGPUB; USPAT; DERWENT | OR | ON | 2007/08/14 09:04 |
| S7 | 439 | 548/309.7.ccls. | US-PGPUB; USPAT; DERWENT | OR | ON | 2007/08/14 09:04 |
| S8 | 197 | 548/310.7.ccls. | US-PGPUB; USPAT; DERWENT | OR | ON | 2007/08/14 09:04 |
| S9 | 21 | S7 and S8 | US-PGPUB; USPAT; DERWENT | OR | ON | 2007/08/14 09:04 |
| S10 | 1316 | 514/394.ccls. | US-PGPUB; USPAT; DERWENT | OR | ON | 2007/08/14 09:05 |
| S11 | 10 | S10 and S9 | US-PGPUB; USPAT; DERWENT | OR | ON | 2007/08/14 09:05 |

10/537,115C Yong Chu 01-23-2008

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| | | | |
|------|----|--------|--|
| NEWS | 1 | | Web Page for STN Seminar Schedule - N. America |
| NEWS | 2 | AUG 06 | CAS REGISTRY enhanced with new experimental property tags |
| NEWS | 3 | AUG 06 | FSTA enhanced with new thesaurus edition |
| NEWS | 4 | AUG 13 | CA/Capplus enhanced with additional kind codes for granted patents |
| NEWS | 5 | AUG 20 | CA/Capplus enhanced with CAS indexing in pre-1907 records |
| NEWS | 6 | AUG 27 | Full-text patent databases enhanced with predefined patent family display formats from INPADOCDB |
| NEWS | 7 | AUG 27 | USPATOLD now available on STN |
| NEWS | 8 | AUG 28 | CAS REGISTRY enhanced with additional experimental spectral property data |
| NEWS | 9 | SEP 07 | STN AnaVist, Version 2.0, now available with Derwent World Patents Index |
| NEWS | 10 | SEP 13 | FORIS renamed to SOFIS |
| NEWS | 11 | SEP 13 | INPADOCDB enhanced with monthly SDI frequency |
| NEWS | 12 | SEP 17 | CA/Capplus enhanced with printed CA page images from 1967-1998 |
| NEWS | 13 | SEP 17 | Capplus coverage extended to include traditional medicine patents |
| NEWS | 14 | SEP 24 | EMBASE, EMBAL, and LEMBASE reloaded with enhancements |
| NEWS | 15 | OCT 02 | CA/Capplus enhanced with pre-1907 records from Chemisches Zentralblatt |
| NEWS | 16 | OCT 19 | BEILSTEIN updated with new compounds |
| NEWS | 17 | NOV 15 | Derwent Indian patent publication number format enhanced |
| NEWS | 18 | NOV 19 | WPIX enhanced with XML display format |
| NEWS | 19 | NOV 30 | ICSD reloaded with enhancements |
| NEWS | 20 | DEC 04 | LINPADOCDB now available on STN |
| NEWS | 21 | DEC 14 | BEILSTEIN pricing structure to change |
| NEWS | 22 | DEC 17 | USPATOLD added to additional database clusters |
| NEWS | 23 | DEC 17 | IMSDRUGCONF removed from database clusters and STN |
| NEWS | 24 | DEC 17 | DGENE now includes more than 10 million sequences |
| NEWS | 25 | DEC 17 | TOXCENTER enhanced with 2008 MeSH vocabulary in MEDLINE segment |
| NEWS | 26 | DEC 17 | MEDLINE and LMEDLINE updated with 2008 MeSH vocabulary |
| NEWS | 27 | DEC 17 | CA/Capplus enhanced with new custom IPC display formats |
| NEWS | 28 | DEC 17 | STN Viewer enhanced with full-text patent content from USPATOLD |
| NEWS | 29 | JAN 02 | STN pricing information for 2008 now available |

NEWS 30 JAN 16 CAS patent coverage enhanced to include exemplified prophetic substances

NEWS EXPRESS 19 SEPTEMBER 2007: CURRENT WINDOWS VERSION IS V8.2, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 19 SEPTEMBER 2007.

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* * * * * STN Columbus * * * * *

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=> reg

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=> file reg

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SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

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STRUCTURE FILE UPDATES: 22 JAN 2008 HIGHEST RN 1000503-75-2

DICTIONARY FILE UPDATES: 22 JAN 2008 HIGHEST RN 1000503-75-2

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TSCA INFORMATION NOW CURRENT THROUGH June 29, 2007

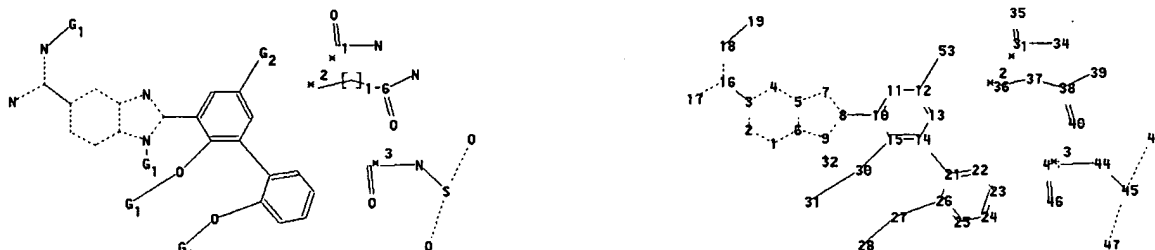
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<http://www.cas.org/support/stngen/stdoc/properties.html>

=>

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chain nodes :

16 17 18 19 27 28 30 31 32 33 34 35 36 37 38 39 40 43 44 45 46
47 48 53

ring nodes :

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 21 22 23 24 25 26

chain bonds :

3-16 8-10 9-32 12-53 14-21 15-30 16-17 16-18 18-19 26-27 27-28 30-31
33-34 33-35 36-37 37-38 38-39 38-40 43-44 43-46 44-45 45-48 45-47

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-9 7-8 8-9 10-11 10-15 11-12 12-13 13-14
14-15 21-22 21-26 22-23 23-24 24-25 25-26

exact/norm bonds :

1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-9 7-8 8-9 9-32 12-53 15-30 16-17 16-18
18-19 26-27 27-28 30-31 33-34 33-35 38-39 38-40 43-44 43-46 44-45 45-48
45-47

exact bonds :

3-16 8-10 14-21 36-37 37-38

normalized bonds :

10-11 10-15 11-12 12-13 13-14 14-15 21-22 21-26 22-23 23-24 24-25 25-26

G1:H,CH3,Et,n-Pr

G2:[*1],[*2],[*3]

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:CLASS 17:CLASS 18:CLASS 19:CLASS
21:Atom 22:Atom
23:Atom 24:Atom 25:Atom 26:Atom 27:CLASS 28:CLASS 30:CLASS 31:CLASS
32:CLASS 33:CLASS
34:CLASS 35:CLASS 36:CLASS 37:CLASS 38:CLASS 39:CLASS 40:CLASS 43:CLASS
44:CLASS 45:CLASS
46:CLASS 47:CLASS 48:CLASS 53:CLASS

L1 STRUCTURE UPLOADED

=> d

L1 HAS NO ANSWERS
L1 STR

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

Structure attributes must be viewed using STN Express query preparation.

=> s l1

SAMPLE SEARCH INITIATED 14:41:16 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 7 TO ITERATE

100.0% PROCESSED 7 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 7 TO 298
PROJECTED ANSWERS: 0 TO 0

L2 0 SEA SSS SAM L1

=> s l1 full

FULL SEARCH INITIATED 14:41:21 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 213 TO ITERATE

100.0% PROCESSED 213 ITERATIONS 4 ANSWERS
SEARCH TIME: 00.00.01

L3 4 SEA SSS FUL L1

=> file caplus

| COST IN U.S. DOLLARS | SINCE FILE ENTRY | TOTAL SESSION |
|----------------------|------------------|---------------|
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FILE LAST UPDATED: 22 Jan 2008 (20080122/ED)

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=> s 13

L4 1 L3

=> d ibib abs hitstr tot

L4 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2004:493686 CAPLUS Full-text

DOCUMENT NUMBER: 141:54342

TITLE: Preparation of 2-(2-hydroxybiphenyl-3-yl)-1H-benzimidazole-5-carboxamidine derivatives as factor VIIa inhibitors

INVENTOR(S): Kolesnikov, Aleksandr; Rai, Roopa; Shrader, William Dvorak; Torkelson, Steven M.; Wesson, Kieron E.; Young, Wendy B.

PATENT ASSIGNEE(S): Axys Pharmaceuticals, Inc., USA

SOURCE: PCT Int. Appl., 119 pp.

CODEN: PIXXD2

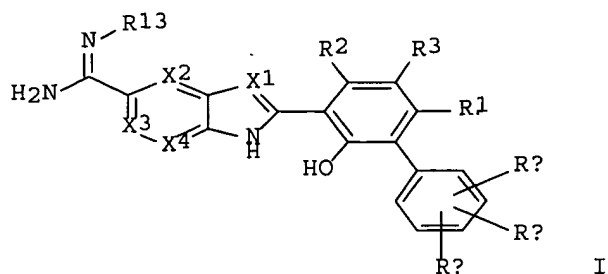
DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

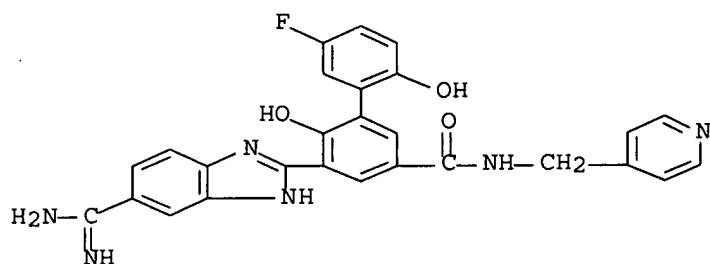
PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------------------------|--|----------|------------------|------------|
| ----- | ---- | ----- | ----- | ----- |
| WO 2004050637 | A2 | 20040617 | WO 2003-US38635 | 20031203 |
| WO 2004050637 | A3 | 20040902 | | |
| W: | AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW | | | |
| RW: | BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | |
| CA 2507707 | A1 | 20040617 | CA 2003-2507707 | 20031203 |
| AU 2003302238 | A1 | 20040623 | AU 2003-302238 | 20031203 |
| EP 1569912 | A2 | 20050907 | EP 2003-810056 | 20031203 |
| R: | AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK | | | |
| CN 1745070 | A | 20060308 | CN 2003-80109503 | 20031203 |
| JP 2006515839 | T | 20060608 | JP 2004-557602 | 20031203 |
| IN 2005KN01065 | A | 20060818 | IN 2005-KN1065 | 20050603 |
| US 2006205942 | A1 | 20060914 | US 2006-537115 | 20060320 |
| PRIORITY APPLN. INFO.: | | | US 2002-430981P | P 20021203 |
| | | | WO 2003-US38635 | W 20031203 |
| OTHER SOURCE(S): | MARPAT 141:54342 | | | |
| GI | | | | |



- AB The title compds. (I) [X1-X4 = independently N or CR5 (wherein R5 = H, alkyl, or halo) with the proviso that not more than three of X1-X4 are N; R1 = H, alkyl, halo, CO2H, CONH2; R2 = H, alkyl, halo; R3 = H, halo, alkyl, alkoxy, haloalkyl, haloalkoxy, haloalkylthio, haloalkylsulfonyl, cyanoalkyl, tetrazol-5-yl, tetrazol-5-ylalkyl, hydroxyalkylcarbonyl, aminosulfonyl, alkylaminosulfonyl, dialkylaminosulfonyl, oxalyl, NHSO2R (where R = alkyl, aryl, aralkyl, heteroaryl, heteroaralkyl, cycloalkyl, cycloalkylalkyl, heterocycloalkyl or heterocycloalkylalkyl), SO2NHCOR6 (where R6 = alkyl, aryl, aralkyl, heteroaryl, heteroaralkyl, heterocycloalkyl, or heterocycloalkylalkyl), SO3H, sulfonylalkyl, each N-(un)substituted CONH2, CH(CF3)NH2, or COCONH2; Rx = H, alkyl, alkylthio, halo, HO, hydroxyalkyl, alkoxy, SO2NH2, alkylaminosulfonyl, dialkylaminosulfonyl, NO2; Ry = H, alkyl, halo; Rz = H, alkyl, haloalkyl, cycloalkyl, alkylthio, halo, HO, hydroxyalkyl, nitro, cyano, alkoxy, alkoxyalkyl, alkoxyalkyloxy, hydroxyalkyloxy, aminoalkyloxy, carboxyalkyloxy, aminocarbonylalkyloxy, haloalkoxy, CO2H, etc.; R13 = H, HO, C1-10 alkoxy, COR35 (where R35 = alkyl, aryl, haloalkyl, or cyanoalkyl), CO2R36 (where R36 = alkyl, hydroxyalkyl, alkoxyalkyl, alkoxyalkonylalkyl, acyl, aryl, or haloalkyl)] and individual isomers, mixt. of isomers, or pharmaceutically acceptable salts thereof are prepd. These compds. are novel inhibitors of factors VIIa, IXa, Xa, XIa, in particular factor VIIa (no data). Pharmaceutical compns. comprising these inhibitors are useful for treating a disease in an animal mediated by factor VIIa, thromboembolic disorders, cancer or rheumatoid arthritis, in particular thromboembolic disorders. Thus, 1-tert-butyl-3-[[3'-formyl-6,2'-bis(2-methoxyethoxymethoxy)biphenyl-3-yl]methyl]urea, 3,4-diaminobenzimidine hydrochloride, and 1,4-benzoquinone were combined in methanol, heated at 60.degree., and stirred for 2 h to give 2-[5'-(3-tert-butylureidomethyl)-2,2'-bis(2-methoxyethoxymethoxy)biphenyl-3-yl]-1H-benzimidazole-5-carboximidamide which was dissolved in 4 M hydrogen chloride in dioxane and the soln. and stirred at room temp. for 1 h to give 2-(2,2'-dihydroxy-5'-ureidomethylbiphenyl-3-yl)-1H-benzimidazole-5-carboximidamide hydrochloride.
- IT 706821-45-6P, 5-(5-Carbamimidoyl-1H-benzimidazol-2-yl)-5'-fluoro-6,2'-dihydroxy-N-[(pyridin-4-yl)methyl]biphenyl-3-carboxamide hydrochloride 706821-79-6P, N-[2-(Morpholin-4-yl)ethyl]-5-(5-carbamimidoyl-1H-benzimidazol-2-yl)-6,2'-dihydroxy-5'-sulfamoylbiphenyl-3-carboxamide 706821-80-9P, 2-[[[5-(5-Carbamimidoyl-1H-benzimidazol-2-yl)-6,2'-dihydroxy-5'-sulfamoylbiphenyl-3-yl]carbonyl]amino]ethanesulfonic acid
- RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
- (prepn. of (hydroxybiphenyl)-1H-benzimidazolecarboxamidine derivs. as factor VIIa inhibitors for treating thromboembolic disorders, cancer, or rheumatoid arthritis)
- RN 706821-45-6 CAPLUS

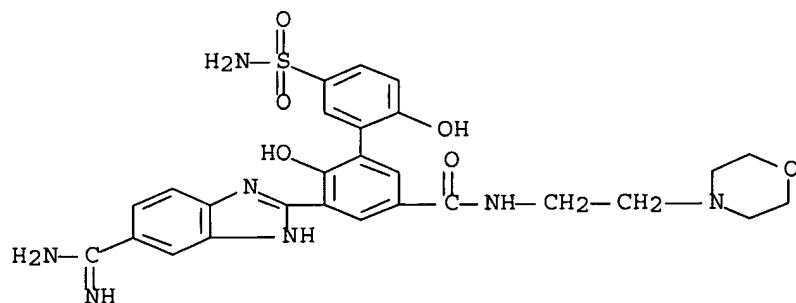
CN [1,1'-Biphenyl]-3-carboxamide, 5-[6-(aminoiminomethyl)-1H-benzimidazol-2-yl]-5'-fluoro-2',6-dihydroxy-N-(4-pyridinylmethyl)-, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

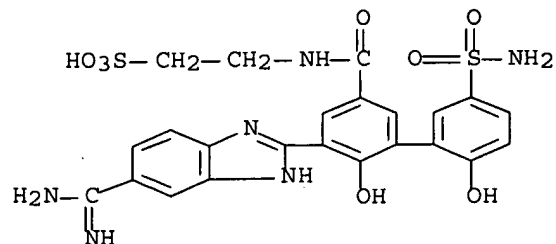
RN 706821-79-6 CAPLUS

CN [1,1'-Biphenyl]-3-carboxamide, 5-[6-(aminoiminomethyl)-1H-benzimidazol-2-yl]-5'-(aminosulfonyl)-2',6-dihydroxy-N-[2-(4-morpholinyl)ethyl]- (CA INDEX NAME)



RN 706821-80-9 CAPLUS

CN Ethanesulfonic acid, 2-[[[5-[6-(aminoiminomethyl)-1H-benzimidazol-2-yl]-5'-(aminosulfonyl)-2',6-dihydroxy[1,1'-biphenyl]-3-yl]carbonyl]amino]- (CA INDEX NAME)



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Executing the logoff script...

=> LOG H

| | | |
|--|------------|---------|
| COST IN U.S. DOLLARS | SINCE FILE | TOTAL |
| | ENTRY | SESSION |
| FULL ESTIMATED COST | 5.93 | 184.50 |
| DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) | SINCE FILE | TOTAL |
| | ENTRY | SESSION |
| CA SUBSCRIBER PRICE | -0.80 | -0.80 |

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